(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 29 December 2004 (29.12.2004)

(10) International Publication Number WO 2004/112823 A1

(51) International Patent Classification7: A61K 38/17, 39/395, 48/00, C07K 14/705, 16/28, G01N 33/53

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(21) International Application Number:

PCT/EP2004/006625

18 June 2004 (18.06.2004) (22) International Filing Date:

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/480,245 60/499,549

20 June 2003 (20.06.2003) US 2 September 2003 (02.09.2003) US

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROTON-SENSING G-PROTEIN COUPLED RECEPTORS AND DNA SEQUENCES THEREOF

(57) Abstract: This invention relates to the newly identified utility of certain G protein-coupled receptors (GPCRs), in particular to OGR1, GPR4 and TDAG8 (TDAG8 is also named GPR65) polypeptides, and polynucleotides encoding such GPCR polypeptides, to their use in diagnosis and to methods of identifying compounds that are agonists or antagonists to said GPCRs, and to the production of such polypeptides and polynucleotides.

